Ham-Space Digest   Fri, 11 Mar 94   Volume 94 : Issue   55

Today's Topics:
            Frustration over sat tracking prgs... (2 msgs)
                   STS-59 Element Set (94097.749)
        Two-Line Orbital Element Set: Space Shuttle (3 msgs)
                where do i qsl rs-12/13 robot??help

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 10 Mar 1994 13:42:37 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!pipex!bbc!ant!
boyer@network.ucsd.edu
Subject: Frustration over sat tracking prgs...
To: ham-space@ucsd.edu

Sherman W. Spahr (spahr@csn.org) wrote:
: John Kondis (jkondis@orion.oac.uci.edu) wrote:

: : Is anyone else having any of the following problems?

: : I have tried to use several satellite tracking programs for the PC, but
: : have found no success... With the STS programs, I get an error message
: : something like this:

: : Error in line No line number in STSPLUS module at XXXX:XXXX <some funky
: :   address>
: : Also, TrakSat will not run on my machine due to memory shortage, though I
: : have technically enough RAM to run it (according to docs)...

: : Then I went to QuickSat, for bare bones operation. Seems fine until it
: : tells you that March 8 1994 is a Thursday... Doesn't exactly make you
: : want to go and spend hours testing it's predictions, does it???

: : Has anyone had similar problems? Or do any of you PC wizards have any
: : suggestions? Are there any 'reliable' progs out there that are easy to
: : please???

: : Thanks in advance for any replies...
: : ...John
: : jkondis@orion.oac.uci.edu

: I have been running InstantTrack by Franklin Antonio (dist. by AMSAT)
: for several years. Have run IT on an XT, 386 and 486 (all had VGA).
: There have been two patches to the program to fix minor problems but
: other than that I have never had any trouble with the program.

: Works great and easy to use!!!

: ==
: Sherman Spahr   ! spahr@adcom.com
: Systems Coordinator,   ! wb0pcm@amsat.org
: Adams County Communications Center Inc.   !
: (303) 289-2235   FAX (303) 287-2942   ! P.O. Box 1661
: SysOp, The Communications Center BBS   ! Wheat Ridge, CO
: (303) 278-4075 8N1 ~38400   ! 80034-1661
: ==

I use satra for windows. I don't know if you can use windows, but this
prog is easy to use and weather sat crossings seem to happen at the time the
prog says.

regards John B
john.boyer@rd.eng.bbc.co.uk

Date: Thu, 10 Mar 1994 17:20:45 +0000
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!pipex!demon!isis.demon.co.uk!ian@network.ucsd.edu
Subject: Frustration over sat tracking prgs...
To: ham-space@ucsd.edu

In article <jkondis.763231047@orion.oac.uci.edu>
        jkondis@orion.oac.uci.edu "John Kondis" writes:

```
>
>Is anyone else having any of the following problems?
>
>I have tried to use several satellite tracking programs for the PC, but
>have found no success...  With the STS programs, I get an error message
>something like this:
>
>Error in line No line number in STSPLUS module at XXXX:XXXX  <some funky
>                                                     address>
>Also, TrakSat will not run on my machine due to memory shortage, though I
>have technically enough RAM to run it (according to docs)...
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>Then I went to QuickSat, for bare bones operation.  Seems fine until it
>tells you that March 8 1994 is a Thursday...  Doesn't exactly make you
>want to go and spend hours testing it's predictions, does it???
>
>Has anyone had similar problems?  Or do any of you PC wizards have any
>suggestions?  Are there any 'reliable' progs out there that are easy to
>please???
>
>Thanks in advance for any replies...
>...John
>jkondis@orion.oac.uci.edu
```

I've used STSPLUS, TRAKSAT and PCTRACK without problems. All these programs
have been developing very fast, so it's possible you've been unlucky. So far,
I've yet to fault any of them. PCTRACK appears to run in very little memory,
but the other two do need a fairly empty machine. None of them are very fond
of TSRs, although I suspect that this more of a timing problem than a memory
one.

Regards
Ian.
--

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   |  Ian Smith             | "The Moving Finger writes;
   |  ian@isis.demon.co.uk  |  and, having writ, Moves on."
```

Date: Thu, 10 Mar 1994 14:45:36 GMT
From: telesoft!garym@uunet.uu.net
Subject: STS-59 Element Set (94097.749)
To: ham-space@ucsd.edu

```
STS-59
1 00059U          94097.74947238  .00221188  00000-0  11303-3 0    70
2 00059  57.0053 276.3038 0009259 269.9963  90.0094 16.19806752    56
```

```
Satellite: STS-59
Catalog number: 00059
Epoch time:       94097.74947238   =     (07 APR 94   17:59:14.41 UTC)
Element set:      007
Inclination:        57.0053 deg
RA of node:        276.3038 deg          Space Shuttle Flight STS-59
Eccentricity:      .0009259              Prelaunch Element set JSC-007
Arg of perigee:   269.9963 deg           Launch:  07 APR 94  12:07 UTC
Mean anomaly:       90.0094 deg
Mean motion:     16.19806752 rev/day            G. L. Carman
Decay rate:      2.21188e-03 rev/day^2    NASA Johnson Space Center
Epoch rev:               5

(for Shuttle Elements subscription info, email: listserv@alsys.com)


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Gary Morris KK6YB        Internet: elements-request@alsys.com
San Diego, CA, USA       Phone:    +1 619-457-2700


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Date: 10 Mar 94 00:23:24 GMT
From: agate!howland.reston.ans.net!sol.ctr.columbia.edu!newsxfer.itd.umich.edu!
nntp.cs.ubc.ca!alberta!adec23!ve6mgs!usenet@ucbvax.berkeley.edu
Subject: Two-Line Orbital Element Set:  Space Shuttle
To: ham-space@ucsd.edu


The most current orbital elements from the NORAD two-line element sets are
carried on the Celestial BBS, (513) *253-9767*, and are updated daily (when
possible).  Documentation and tracking software are also available on this
system.  As a service to the satellite user community, the most current
elements for the current shuttle mission are provided below.  The Celestial
BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using
8 data bits, 1 stop bit, no parity.

Element sets (also updated daily), shuttle elements, and some documentation
and software are also available via anonymous ftp from archive.afit.af.mil
(129.92.1.66) in the directory pub/space.

STS 62
1 23025U 94015A   94068.25000000  .00001031  52957-5  84547-5 0   122
2 23025  39.0174 218.1669 0006078 310.8563 226.2248 15.90446700   741
--
Dr TS Kelso                       Assistant Professor of Space Operations
tkelso@afit.af.mil                Air Force Institute of Technology


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(129.92.1.66) in the directory pub/space.

STS 62
1 23025U 94015A   94068.91666667 .00001055 52929-5 85156-5 0   146
2 23025 39.0128 213.7707 0006009 318.9720 80.9702 15.90470050   859
--
Dr TS Kelso   Assistant Professor of Space Operations
tkelso@afit.af.mil   Air Force Institute of Technology

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STS 62

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2 23025  39.0128 213.7707 0006009 318.9720  80.9702 15.90470050   859
--
Dr TS Kelso                        Assistant Professor of Space Operations
tkelso@afit.af.mil                 Air Force Institute of Technology
```

Date: Thu, 10 Mar 1994 14:19:50 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!pipex!bnr.co.uk!corpgate!nrtpa038!brtph560!b4pph107!
jwittich@network.ucsd.edu
Subject: where do i qsl rs-12/13 robot??help
To: ham-space@ucsd.edu

> ab4vj@rock.concert.net (Terrence J Murphy -- Personal Account)
>wants to know:

>Help.... I worked the rs-12/13 cw robot and recvd my serial # Now
>where do I send the qsl card?? Thanks de ab4vj ..:wq

Hi, Terry. An article on RS10/11 in *The Amateur Radio Communicator*
of Nov/Dec 1992 says QSL to:

Radio Sport Federation
Box 88
Moscow, Russia

Hope this helps. C ya saturday.
Jeff AC4ZO

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****************************************************************************
jwittich@bnr.ca                    * BNR claims they know nothing of my
AC4ZO                              * employment here.
****************************************************************************
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Date: Thu, 10 Mar 94 14:16:38 GMT
From: mnemosyne.cs.du.edu!nyx!tvaughan@uunet.uu.net
To: ham-space@ucsd.edu

References <2lebkc$kmk@hpscit.sc.hp.com>, <2lh20r$auf@bigfoot.wustl.edu>,
<gscottCMDK7n.4x@netcom.com>
Subject : Re: GPS Receiver Boards

gscott@netcom.com (Gavin Scott) writes:

>Jesse L Wei (jlw3@cec3.wustl.edu) wrote:
>: Richard Karlquist (rkarlqu@scd.hp.com) wrote:
>: : The Motorola GPS receiver is less than $150 in 100's. It has six
>: : channels and just about all the features you would ever want.

>: The question is: who's going to be buying in 100's?

>I'll take one. Now you only have 99 more to get rid of!

>Gavin
>--
>Gavin Scott - Quest Software Inc - gavin@quests.com -or- gscott@netcom.com

 Make that 98 more to get rid of.

Tom

Date: Thu, 10 Mar 1994 19:00:37 GMT
From: telesoft!garym@uunet.uu.net
To: ham-space@ucsd.edu

References <STS-62.94063.635@alsys.com>, <STS-62.94067.277@alsys.com>,
<STS-62.94068.281@alsys.com>
Reply-To : elements-request@alsys.com
Subject : STS-62 Element Set (94068.595)

STS-62
1 23025U 94015A   94068.59580888 +.00001051 52944-5 85114-5 0   136
2 23025 39.0153 215.8823 0005877 312.4483 47.5827 15.90459642   813

Satellite: STS-62
Catalog number: 23025
Epoch time: 94068.59580888   (09 MAR 94   14:17:57.89 UTC)
Element set: GSFC-013
Inclination: 39.0153 deg
RA of node: 215.8823 deg   Space Shuttle Flight STS-62
Eccentricity: 0.0005877   Keplerian Elements
Arg of perigee: 312.4483 deg
Mean anomaly: 47.5827 deg
Mean motion: 15.90459642 rev/day   Semi-major Axis: 6679.1279 Km
Decay rate: 0.11E-04 rev/day*2   Apogee Alt: 304.67 Km
Epoch rev: 81   Perigee Alt: 296.81 Km

(for Shuttle Elements subscription info, email: listserv@alsys.com)

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Gary Morris KK6YB        Internet: elements-request@alsys.com
San Diego, CA, USA       Phone:    +1 619-457-2700


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End of Ham-Space Digest V94 #55
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